

CLAIMS:

1. A method of operating a first Bluetooth base station and at least one Bluetooth mobile terminal connected to the first Bluetooth base station, wherein
 - the first Bluetooth base station receives packets of data and broadcasts received packets of data, and
 - 5 - each of the at least one Bluetooth mobile terminal receives the broadcast packets of data,
 - and wherein each of the at least one Bluetooth mobile terminal can be selectively controlled to enter either of a Bluetooth park mode and a Bluetooth active mode, the method characterized by comprising the following steps:
 - 10 - controlling each of the at least one Bluetooth mobile terminal to enter the Bluetooth park mode, and subsequently
 - controlling each of the at least one Bluetooth mobile terminal in the Bluetooth park mode, at time intervals shorter than a Bluetooth link supervision timeout, by sending an unpark/park command to the Bluetooth mobile terminal to enter the Bluetooth active mode
 - 15 and to subsequently return to the Bluetooth park mode.
2. A method according to claim 1, characterized in that the broadcast packets of data received by the first Bluetooth base station are buffered and transmitted with a broadcast data queuing delay, and
 - 20 - if the broadcast data queuing delay exceeds a predefined maximum broadcast data queuing delay, broadcasting a buffered packet of data.
3. A method according to claim 2, characterized in that the unpark/park commands are buffered in the first Bluetooth base station and transmitted with an
 - 25 unpark/park queuing delay to the Bluetooth mobile terminal, and
 - if the broadcast data queuing delay does not exceed the predefined maximum broadcast data queuing delay, and
 - if the unpark/park queuing delay exceeds a predefined maximum unpark/park queuing delay,

transmitting a buffered unpark/park command to the Bluetooth mobile terminal.

4. A method according to claim 3, characterized in that handover requests

requesting connection of the Bluetooth mobile terminal to a second Bluetooth base station are buffered in the first Bluetooth base station and transmitted with a handover queuing delay to the Bluetooth mobile terminal, and

- if the broadcast data queuing delay does not exceed the predefined maximum broadcast data queuing delay,

- if the unpark/park queuing delay does not exceed the predefined maximum unpark/park queuing delay, and

- if the handover queuing delay exceeds a predefined maximum handover queuing delay,

transmitting a buffered handover request to the Bluetooth mobile terminal.

5. A method according to claim 4, characterized in that

- if the broadcast data queuing delay does not exceed the predefined maximum broadcast data queuing delay, and

- if the unpark/park queuing delay does not exceed the predefined maximum unpark/park queuing delay, and

- if the handover queuing delay does not exceed the predefined maximum handover queuing delay,

transmitting a no-broadcast data packet to the Bluetooth mobile terminal.

6. A method according to claim 5, characterized in that the no-broadcast data packet is transmitted according to the upper layer of the Bluetooth protocol.

7. A method according to any one of claims 1-6, characterized in that the data are broadcast as streaming data.

8. A Bluetooth base station capable of broadcasting data to at least one Bluetooth mobile terminal connected to the Bluetooth base station,

characterized in that the Bluetooth base station is capable of operating in accordance with the method of any one of claims 1-7.